Tutorial Semana Oministack 10.0

Rockseat

Produto: Aplicativo mobile usando Javascript

Dev: Barbara Rodrigues

Rotas get

```
index.js *
    const express = require('express');
    const app = express();
    d
    s // |
        app.get('/', (request, response) => {
            return response.json({ message: 'Hello OmniStack' });
        });
    app.listen(3333);
    app.listen(3333);
}
```

Biblioteca nodemon

Métodos http

```
const app = express();
app.use(express.json());

// Métodos HTTP: GET, POST, PUT, DELETE

// Tipos de parâmetros:

// Query Params: request.query (Filtros, ordenação, paginação, ...)

// Route Params; request.params (Identificar um recurso na alteração ou remoção)

// Body: request.body (Dados para critção ou alteração de um registro)

app.post('/users', (request, response) >> {
    console.log(request.body);
    return response.json({ message: 'Hello OmniStack' });
});
app.listen(3333);
```

Query params

```
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```

Instalar mongodb

```
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Assistir mais tarde

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const express = require('express');

const mongoose = require('mongoose');

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pap. use(express.json());

// (upry Params: request.query (filtros, ordenação, paginação, ...)

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Verificar proxy



Criar pasta src com index e modificar código com src

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Executa yarn dev

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Criando a base-da aplicação-l-Semana OmniStack 10.0

Assistir mais tarde

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Separar rotas

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Criando a base-da aplicação | Semana OmniStack 10.0

Assistir mais tarde Compartillar

Console, jost | Co
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Rotas e exportar / trocar app por routes. Copiar código (get...)

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```

Rotas alterar o index para rodar

```
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Assistir mais tarde

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Const express = require('express');

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Const engress =
```

Models

```
Criando a base da aplicação | Semana OmniStack 10.0
  PEN EDITORS
                              const mongoose = require('mongoose');
  🧰 index.js are
 × Dev.js src/models
  = routes.js src
                             const DevSchema = new mongoose.Schema({
∨ BACKEND
                               name: String,
                               github_username: String,
 src 👼
                              bio: String,
avatar_url: String,
 > models
   index.js
                               techs: [String],
  package json
                         11 module.exports = mongoose.model('Dev', DevSchema);
```

Teste insominia



Rota para buscar devs e ver insomnia

```
©Criando a base da aplicação | Semana OmniStack 10.0
                             const { Router } = require('express');
 index.js we
 Dev.js src/models
× = routes.js are
                             const routes = Router();
BACKEND
> node_modules
                             routes.post('/devs', (request, response) => {
∨ 📦 src
                            console.log(request.body)groperty) message: string
 > to models
                              return response.json({ message: 'Hello OmniStack' });
  index.js
   routes.js
 (a) package ison
                             module.exports = routes;
  yarn.lock
```

Instalar biblioteca axios para buscar dados no github

Axios e github

```
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```

Insominia p testar



Schema - dev.js

```
Griando a base da aplicação | Semana OmniStack 10.0
                                const mongoose = require('mongoose');
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 🔣 index.js arc

    Dev.js src/models

  F routes is are
                                const DevSchema = new mongoose.Schema({
BACKEND
                                  name: String,
> node_modules
                                  github_username: String,
∨ 📦 src
                                 bio: String,
avatar_url: String,
techs: [String],
- models
   Dev.js
  index.is
   = routes.js
 @ package ison
                           11 module.exports = mongoose.model('Dev', DevSchema)
  yarn.lock
```

Cadastrar devs

```
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Set torios

Coriando a base da aplicação | Semana OmniStack 10.0

Set torios

Coriando a base da aplicação | Semana OmniStack 10.0

Assistir mais tarde

Const { Router } = require('express');

Const axios = require('axios'); 15.6k (gzipped: 5.3k)

Assistir mais tarde

Const { Router } = require('express');

Const routes = Router();

Const { github_username } = request.body;

Const { github_username } = request.body;

Const { name = login, avatar_url, bio } = apiResponse.data;

Console.log(name, avatar_url, bio, github_username); }

Teturn response.json({ message: 'Hello OmniStack' });

module.exports = routes;
```

Criando as Techs

```
Criando a based a applicação | Semana OmniStack 10.0

| Index is recommended | Const { Router } = require('express'); | Const savios = require('axios'); | 15.6K (gzipped: 5.3K) | Const axios = require('axios'); | 15.6K (gzipped: 5.3K) | Const axios = require('axios'); | Const a
```

Para testar console.log

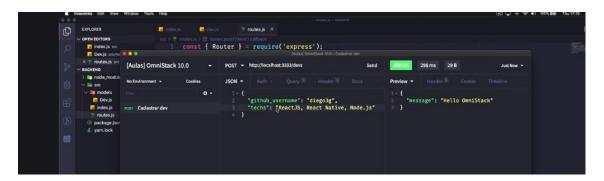
```
Code File Edit Selection Vew Go Debug Terminal Window Help

COLORGE

CONTROL TOURNESS

CONTROL TOURNES
```

Enviar techs por strings



Vetor de techs para converter. Cortar string qd tiver virgula – tech.trim (remove espaçamento antes e depois)

```
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Denomination of the control of the control
```

Short sintaxe – não precisa usar : pq a propriedade é igual o nome da variável

```
Criando a base da aplicação | Sermana OmniStack 10.0

Crea tortos | LURANTO | SET TO BURGA | SET
```

Código pronto p rodar e testar

```
0
Criando a base da aplicação | Semana OmniStack 10.0
                                                                                                                           Assistir mais tar
                            const { Router } = require('express');
const axios = require('axios'); 15.6K (gzipped: 5.3K)
const Dev = require('./models/Dev');
                            const routes = Router();
                            routes.post('/devs', async (request, response) => {
  const { github_username, techs } = request.body;
                               const apiResponse = await axios.get(`https://api.github.com/users/${github_username}_`);
                               const { name = login, avatar_url, bio } = apiResponse.data;
                               const techsArray = techs.split(',').map(tech => tech.trim());
                               const dev = await Dev.create({
                                 github_username,
                                 name,
                                 avatar_url,
                                bio,
techs: techsArray,
                               return response.json(dev);
                             module.exports = routes;
```

Cadastro do dev no banco de dados testado no insominia. Gerou um id – identificador único e versionamento qd tem alterações. Sem alteração 0 no mongodb



Cliente p acessar mongodb

```
Google mongodb compass community IIII & Q

Q Todas Q Inagens O Shopping Videos Mindicias I Mais Curfigurações Ferramentas

Aproximadamente 246.000 resultados (0.4 laegundos)

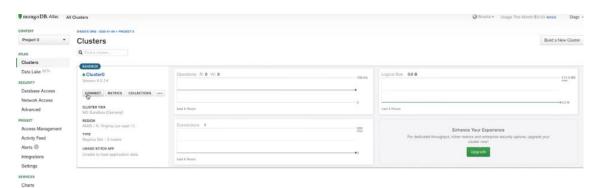
Download Center. Compass I MongoDB

https://www.mongodb.com/ download-center v.omp... * Traduzir esta pagina

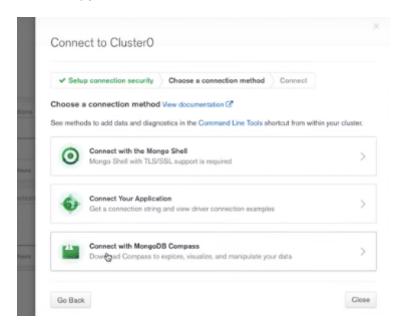
MongoDB Cempass, the Old for MongoDB, is the easiest way to explore and maripulate ...

Compass, Readonly Edition, Isolated Edition, Community Edition.
```

Conexao com cluster

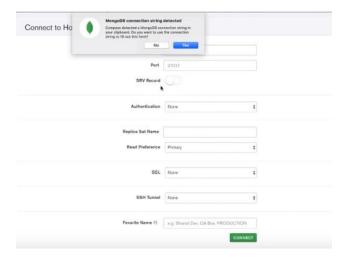


Clicar na opção com a mão

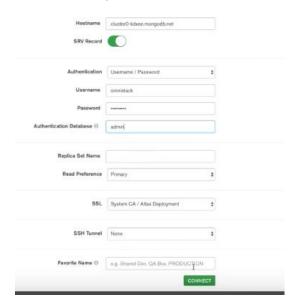


Copia o link

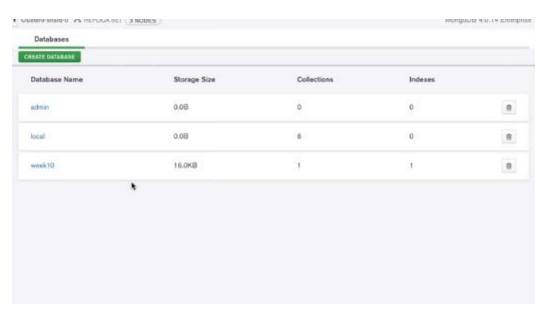




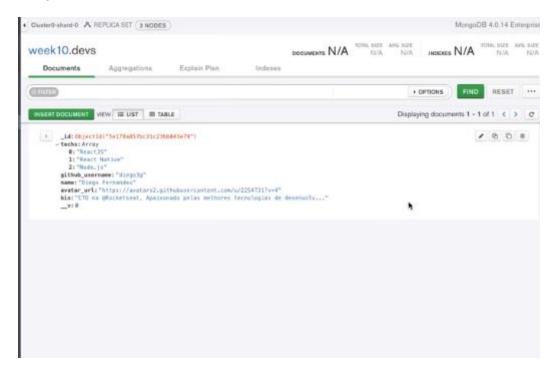
Preencher campos



Base de dados conectada



Coleções = tabelas - dev. Salvadas no banco de dados.



Latitude e longitude

Criar pasta e dev.js

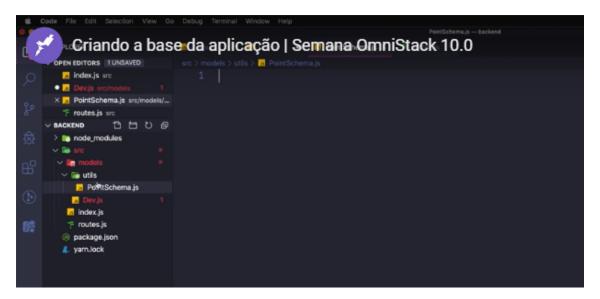
```
Criando a base da aplicação | Semana OmniStack 10.0
 OPEN EDITORS 1 UNSAVED
                                const mongoose = require('mongoose');
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  F routes is are
                               const DevSchema = new mongoose.Schema({
✓ BACKEND 古世む日
                                  name: String,
 > node_modules
                                   github_username: String,
v 📦
                                 bio String,
 New Folder
Dov.is New Folder
Reveal in Finder
Open in Terminal
                           7 avatar_url: String,
techs: [String],
                                 location: {
                                    type:
   F routes is
              Find in Folder...
  @ package.jso
                             xx });
  yarn.lock
              Copy Path TEC module.exports = mongoose.model('Dev', DevSchema);
                             × 40
              Generate .editorconfig
```

Pointschema.js para usar com utilidade

```
Criando a base da aplicação | Semana OmniStack 10.0
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   🖪 index.js src
                                   const mongoose = require('mongoose');
 × PointSchema.js src/models/...
                               3 const PointSchema = new mongoose.Schema({
   *F routes is src
                                   type: {
W BACKEND
                                   type: String,
enum: ['Point'],
required: true,
 > node_modules
                            7
8 },
9 coordinates: {
10 type: [Number],
11 required: true,

✓ 📦 utils

     PointSchema.js
   index.js
    🕆 routes.js
                                  });
   @ package.json
   / yarn.lock
                         15 module.exports = PointSchema;
```



Coordinates type longitude e latitude – tem na documentação do mgdb

```
∘Criando a base da aplicação | Semana OmniStack 10.0
                              const mongoose = require('mongoose');
 index.js src
× PointSchema.js src/models/...
                              const PointSchema = new mongoose.Schema({
 * routes is src
                                type: {
                                 type: String,
enum: ['Point'],
> node_modules
                                  required: true,
( Sec.)

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                              coordinates: {
   PointSchema.js
                               type: [Number],
required: true,
  index.js
  = routes is
                              ;
 package.json
 / yarn.lock
                              module.exports = PointSchema;
```

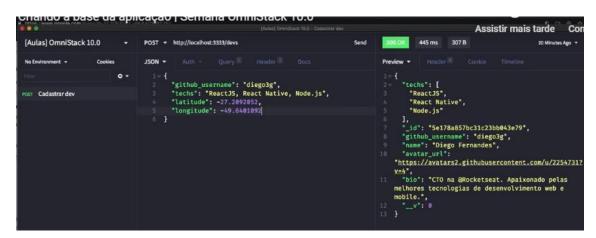
Importar e usar index

```
Criando a base da aplicação | Semana OmniStack 10.0
                                const mongoose = require('mongoose');
const PointSchema = require('./utils/PointSchema');
X Dev.js src/models
 routes is arc
                             4 const DevSchema = new mongoose.Schema({
                                  name: String,
github_username: String,
w models
                                 bio: String,
avatar_url: String,
techs: [String],
 v 📷 utils
   PointSchema.js
   Dev.js
                                   location: {
  index.js
                                     type: PointSchema,
  * routes is
                                     index: '2dsphere'
 @ package.json
                                module.exports = mongoose.model('Dev', DevSchema);
```

Map primeiro numero latitude e segundo longitude

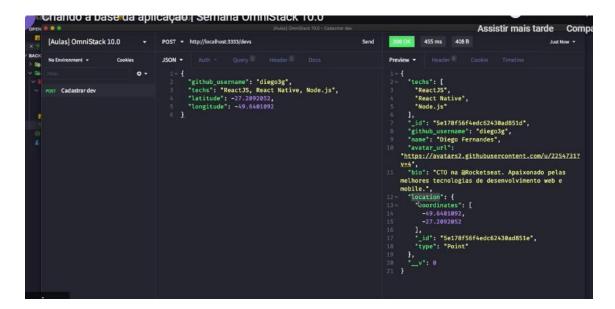


teste



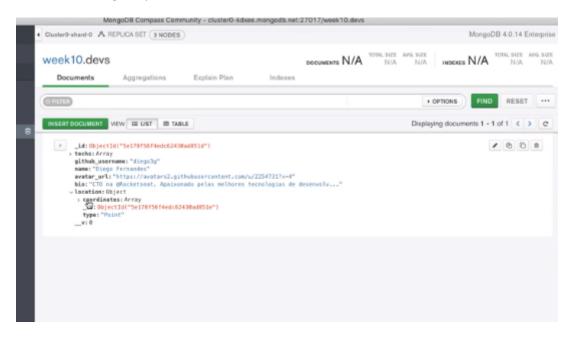
Alterar esse documento com dados de localition mesmo nome no banco de dados

teste



Tipo ponto no mapa

Refresh no mongodb p ver se funcionou



Pasta Camada controlers não é bom deixar rotas junto e criar arquivo devcontrolers.js

Controler serve para receber a requisição e devolver uma resposta

Mover esse código para devcontroller

```
0
     Criando a base da aplicação | Semana OmniStack 10.0
                                                                                                                                     Assistir mais tarde
                                    const Dev = require('./models/Dev');
    inidex.js arc

routes.js arc

by DevController.js arc/controll...
                                     const routes = Router();
    node_modules
                                    routes.post('/devs', async (request, response) => {
  const { github_username, techs, latitude, longitude } = request.body;
                                       const apiResponse = await axios.get(`https://api.github.com/users/${github_username}`);
                                       const { name = login, avatar_url, bio } = apiResponse.data;
                                       const techsArray = techs.split(',').map(tech => tech.trim());
                                       const location = {
  type: 'Point',
  coordinates: [longitude, latitude],
                                       const dev = await Dev.create({
   github_username,
                                         avatar_url,
                                        bio,
techs: techsArray,
                                       return response json(dev);
MAIS VÍDEOS
```

```
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       Criando a base da aplicação | Semana OmniStack 10.0
     .N EDITORS
☐ index.js src
(↑ routes.js src
                                                                                                                                     Assistir mais tarde
                                     const Dev = require('./models/Dev');
                                     routes.post('/devs', async (request, response) => {
  const { github_username, techs, latitude, longitude } = request.body;
                            THE
                                       const apiResponse = await axios.get(`https://api.github.com/users/${github_username}`);
                                       const { name = login, avatar_url, bio } = apiResponse.data;
                             #X
                                       const techsArray = techs.split(',').map(tech => tech.trim());
             Copy Path XXC
Copy Relative Path XXXC
                                       const location = {
                                         type: 'Point',
coordinates: [longitude, latitude],
                                       const dev = await Dev.create({
   github_username,
                                        name,
avatar_url,
bio,
techs: techsArray,
                                         location,
                                        return response.json(dev);
MAIS VÍDEOS
```

Nome para função async store (armazenar)

```
0
  Criando a base da aplicação | Semana OmniStack 10.0
                                                                                                                           Assistir mais tarde
 EN EDITORS 2 UNSAVED
                               module.exports = {
   async store(request, response) {
    const { github_username, techs, latitude, longitude } = request.body;

    DevController.js src/controll...

                                    const apiResponse = await axios.get(`https://api.github.com/users/${github_username}`);
                                    const { name = login, avatar_url, bio } = apiResponse.data;
                                   const techsArray = techs.split(',').map(tech => tech.trim());
                                    const location = {
                                     type: 'Point',
coordinates: [longitude, latitude],
                                   const dev = await Dev.create({
   github_username,
                                      name,
                                      avatar_url,
                                      bio,
techs: techsArray,
                                      location,
                                    return response.json(dev);
```